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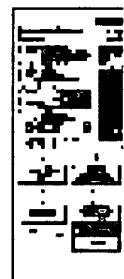
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>Title: JP63215694A2: 2'-DEOXY-2'(S)-ALKYLPYRIMIDINE NUCLEOSIDE DERIVATIVE

Derwent Title: 2'-Deoxy-2'(S)-alkyl:pyrimidine nucleoside derivs. - used as active component in antiviral drugs [\[Derwent Record\]](#)

Country: **JP** JapanKind: A (See also: [JP06099467B4](#))

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Published / Filed: **1988-09-08 / 1987-03-04**Application Number: **JP1987000049540**IPC Code: **C07H 19/09; C07H 19/10; A61K 31/70; C07H 19/06; C07H 19/067;**Priority Number: **1987-03-04 JP1987000049540**

Abstract: NEW MATERIAL: A compound expressed by formula I (R1 is amino or OH; R2 is H or lower alkyl; R3 is lower alkyl; R4 is H or phosphoric acid residue) or salt thereof.

EXAMPLE: 2'-Deoxy-2'(S)-methylcytidine.

USE: An antiviral agent.

PREPARATION: A saccharide part at the 2'-position of a compound expressed by formula II (R5 is alkoxy; Z is protecting group) is alkylated with an alkylating agent to provide a compound expressed by formula III. The OH group at the 2'-position of the compound expressed by formula III is then acylated, reduced with a reducing agent and deprotected to afford a compound expressed by formula IV. The base part at the 4-position of the compound expressed by formula IV is subsequently hydrolyzed or aminated and, as desired, the saccharide part at the 5'-position is then phosphorylated.

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	PDF	Patent	Pub.Date	Inventor	Assignee	Title

	US6914054	2005-07-05	Sommadossi; Jean-Pierre	Idenix Pharmaceuticals, Inc.	Methods and compositions for treating hepatitis C
	US5627053	1997-05-06	Usman; Nassim	Ribozyme Pharmaceuticals, Inc.	2'deoxy-2'-alkyl nucleoside containing nucleic acid

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